

**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**Rural Utilities Service**  
**Washington, DC 20250-1500**

April 29, 2004

**TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING #767**

**Summary of Decisions**

1. Central Office Splice Housings (Item "sj") – Outside Plant Branch

Committee A accepted the Outside Plant Branch recommended revision of the category for Wall Mountable Central Office Splice Housings, Item "sj", on pages 2.5.3, 2.5.4 and 2.5.4, as follows:

**Page 2.5.3**

**sj - Central Office Splice Housings<sup>(1)</sup>**

**sj-a Splice Housings for Copper Cables**

<b><u>Manufacturer</u></b>	<b><u>Designation</u></b>		
	<b><u>Catalog Number</u></b>	<b><u>Tip Cable Openings</u></b>	<b><u>Cable Capacity</u></b>
Marconi Communications	CRF54ARV	54	5400
	CRF66ARV	66	6600

**sj-b Wall Mount Splice Housings for Fiber Optic Cables**

	<b><u>Catalog Number</u></b>	<b><u>Fiber Capacity</u></b>	
		<b><u>Mech. Splices</u></b>	<b><u>Fusion Splices</u></b>
3M	8570	144	192
Fiber Optic Network Solutions (FONS)	WSU-72	72	72
	VSC-288	288	288
	ESC-432 <sup>(4)</sup>	432	432
	ESC-864A <sup>(4)</sup>	864	864

sj-c Rack Mount Splice Housings for Fiber Optic Cables

	<u>Catalog Number</u>	<u>Mech. Splices</u>	<u>Fiber Capacity</u> <u>Fusion Splices</u>
ADC	FPL-SR2000	96	96
Fiber Optic Network Solutions (FONS)	HRC-5SU	72	72

See page 2.5.4.2 for notes.

Page 2.5.4sj - Central Office Splice Housings<sup>(1)</sup>sj-d Wall Mount Splice Housings with Patch Panels for Fiber Optic Cables<sup>(2)</sup>

<u>Manufacturer</u>	<u>Designation</u>	
	<u>Catalog Number</u>	<u>Max. Fiber Terminations</u>
ADC	FIP <sup>(3)</sup>	12
	FIPL <sup>(3)</sup>	24
Americable, Inc.	FLP-1W	24
3M	8432	12
	8434	24
	8436	48
Fiber Optic Network Solutions (FONS)	LX-1012	12
	TIC-12PS	12
	LX-1024	24
	WPS-24	24
	TIC-24PS	24
	STIC-24PS	24
	TIC8E <sup>(3)</sup>	24
	LX-1048	48
	TIC18E	48
	TIC24E	72
	LX-1096	96
	TIC31E	144

See page 2.5.4.2 for notes.

Page 2.5.4.1sj - Central Office Splice Housings<sup>(1)</sup>sj-e Rack Mount Splice Housings with Patch Panels for Fiber Optic Cables<sup>(2)</sup>

<u>Manufacturer</u>	<u>Designation</u>	
	<u>Catalog Number</u>	<u>Max. Fiber Terminations</u>
ADC	FMPS	36
	FMPL	72
Americable, Inc.	FLP-1	296
3M	8423	48
	8425	144
Fiber Optic Network Solutions (FONS)	LX-LP12B	12
	LX-LP <sup>(5)</sup>	24
	HRC- <sup>(6)</sup>	24
	LX-LP36N	36
	LX-MP3U	48
	HRC-7PSF	48
	LX-MP72B	72
	HRC- <sup>(7)</sup>	72
	HRC-9P	144
	HR-11 <sup>(8)</sup>	216

See page 2.5.4.2 for notes.

Page 2.5.4.2sj – Central Office Splice Housings<sup>(1)</sup>sj-f Wall or Rack Mount Splice Housings with Patch Panels for Fiber Optic Cables<sup>(2)</sup>

<u>Manufacturer</u>	<u>Designation</u>	
	<u>Catalog Number</u>	<u>Max. Fiber Terminations</u>
ADC	FCP-08 <sup>(3)</sup>	8
	FCP-12 <sup>(3)</sup>	12
	FDP	24
Fiber Optic Network Solutions (FONS)	MDC5	24
	MDC7	48
	MDC10	72
	MDC14	144
	MDC18	216
Porta Systems	CPS-12 <sup>(3)</sup>	12
	CPS-24 <sup>(3)</sup>	24
	FOCUS	48
	FOCUS	72

**Notes:** <sup>(1)</sup> Recommended for use only in central offices with restricted access to unauthorized personnel.

<sup>(2)</sup> Consult the manufacturer for ordering procedures concerning splice capacity, connector options, pigtails, or jumpers and stub options.

<sup>(3)</sup> UL listed and may also be used as a Fiber Optic Cable Building Entrance Terminal.

<sup>(4)</sup> Does not include "Bullet Bond" Shield Bonding Connector.

<sup>(5)</sup> Replace blank with 1UB or 24B.

<sup>(6)</sup> Replace blank with 3.5PS or 5PS.

<sup>(7)</sup> Replace blank with 7P or 7PS.

<sup>(8)</sup> Replace blank with letter(s) P or PS.

## 2. Precast Concrete Manholes (Item "hm") – LAR-KEN

Committee A accepted LAR-KEN Series 350, Model LK manhole for listing on page 2.7, as follows:

<u>Manufacturer</u>	<u>Base Size</u>	<u>Catalog Number</u>
<u>hm - Precast Concrete Manholes<sup>(1)</sup></u>		
LAR-KEN	4'8" x 4'8" x 4'8"	Series 350, Model LK

## 3. Transport Equipment (Item "te") – Luminous Networks

Committee A accepted Luminous Networks' PacketWave product line for listing on page 6.2, as follows:

<u>te - Transport Equipment</u>			
<u>Manufacturer</u>	<u>Product</u>	<u>Interface Rate</u>	<u>RF Band</u>
Luminous Networks	PacketWave <sup>(12)</sup>	OC-3/12/48	

<sup>(12)</sup>This listing includes PacketWave M, C and E Series (E200, E510 and E520).

## 4. Transport Equipment (Item "te") – Ciena

Committee A accepted Ciena's ONLINE Edge Multiservice CWDM Platform for listing on page 6.2, as follows:

<u>te - Transport Equipment</u>			
<u>Manufacturer</u>	<u>Product</u>	<u>Interface Rate</u>	<u>RF Band</u>
Ciena	ONLINE Edge Multiservice CWDM Platform	OC-3/12/48	

5. Stored Program Digital Switching Equipment (Item "pc") – Nortel Networks, Inc.

Committee A Accepted Nortel's DMS-100 System Release LEC00017 for listing on page 6.3 as follows:

**pc - Stored Program Digital Switching Equipment**

<b><u>Manufacturer</u></b>	<b><u>Base</u></b>	<b><u>Accepted System Release</u></b> <sup>(5)</sup>	<b><u>Acceptance Classification</u></b> <sup>(1)</sup>	<b><u>RST(s)</u></b>
Nortel Networks, Inc.	DMS-100 <sup>(3)</sup>	LEC00017	A	RLCM (OPAC) RSC-S RSC Star Remote Hub

6. Ground Rod and Pipe Clamps (Item "aj") – Erico

Committee A accepted Erico's EHL58C1G ground rod and pipe clamp for listing on page 7.4.1 as follows:

**aj - Ground Rod and Pipe Clamps**

**Station Installations (Outdoors)**

<b><u>Manufacturer</u></b>	<b><u>Catalog Number</u></b>			
	<b><u>0.081" (#12 AWG), 0.102" (#10 AWG) and 0.162" (#6 AWG) Copper</u></b>			
	<b><u>Ground Rod (Galvanized Steel)</u></b>		<b><u>Ground Rod (Copper-Covered Steel)</u></b>	
<b>Connected to:</b>	<b><u>1/2 inch</u></b>	<b><u>5/8 inch</u></b>	<b><u>1/2 inch</u></b>	<b><u>5/8 inch</u></b>
Erico	GR1-141G <sup>(1)(2)</sup>	GR1-161G <sup>(1)(2)</sup>	GR1-141G <sup>(1)(2)</sup>	GR1-161G <sup>(1)(2)</sup>
(Caldweld)	GR1-141A <sup>(1)(2)</sup>	GR1-161A <sup>(1)(2)</sup>	GR1-141A <sup>(1)(2)</sup>	GR1-161A <sup>(1)(2)</sup>
				EHL58C1G <sup>(4)</sup>

## 7. Buried Cable (Item "se") – Hesfibel

Committee granted technical acceptance to Hesfibel's filled, copper telecommunications cable designs. Since this product is non-domestic, it will be shown on the RUS non-domestic products web page as follows:

**sc - Buried Cable**

RUS Standard Designations "BFC", "CW", and "UF" (Filled) 7 CFR 1755.390  
These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.390

**RUS Standard Suffixes**

<b><u>Manufacturer</u></b>	<b><u>A(1)</u></b>	<b><u>C(1)</u></b>	<b><u>Y(1)</u></b>	<b><u>X(1)</u></b>	<b><u>H(1)</u></b>	<b><u>H1C(2)</u></b>	<b><u>P(1)</u></b>
Hesfibel	HF-SPF	-	HF-SPFY	HF-SPFX	-	-	-

**Technical Acceptance Expires on 9/30/05**

**Suffixes**

Coated Aluminum Shield-----A  
 5 Mil Copper Shield-----C  
 Gopher-Resistant Shield Containing Copper-----Y  
 Gopher-Resistant Shield/Armor Design -----X  
 Screened Cable for T1 Carrier-----H  
 Screened Cable for T1C Carrier-----H1C  
 Preconnectorized Cable 100 pairs and greater-----P

**Notes:**

(1)Available in 19 through 26 AWG conductor sizes.

(2)Available in 19 through 24 AWG conductor sizes.

## 8. Buried Cable (Item "sc") – Hesfibel

Committee A granted technical acceptance to Hesfibel's filled, copper telecommunications cables with expanded insulation. Since this product is non-domestic, it will be shown on the RUS non-domestic products web page as follows:

sc - Buried Cable

RUS Standard Designations "BFC", "CW", and "UF" (Expanded Insulation - Filled) 7 CFR 1755.890  
These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.890

RUS Standard Suffixes

<u>Manufacturer</u>	<u>A(1)</u>	<u>C(1)</u>	<u>Y(1)</u>	<u>X(1)</u>	<u>H(1)</u>	<u>H1C(2)</u>	<u>P(1)</u>
Hesfibel <sup>(3)</sup>	HF-FPF	-	HF-FPFY	HF-FPFX	-	-	-

**Technical Acceptance Expires on 9/30/05**

Suffixes

Coated Aluminum Shield-----A  
 5 Mil Copper Shield-----C  
 Gopher-Resistant Shield Containing Copper-----Y  
 Gopher-Resistant Shield/Armor Design -----X  
 Screened Cable for T1 Carrier-----H  
 Screened Cable for T1C Carrier-----H1C  
 Preconnectorized Cable 100 pairs and greater-----P

Notes:

(1) Available in 19 through 26 AWG conductor sizes.

(2) Available in 19 through 24 AWG conductor sizes.

(3) Accepted for only foam/skin.



9. Underground Conduit (Item "hc") – Cantex

Committee A accepted Cantex's schedule 40 and schedule 80 PVC conduit products for listing on page 2.2.1 as follows:

**hc - Underground Conduit**

<b><u>Manufacturer</u></b>	<b><u>Type Conduit</u></b>	<b><u>Catalog Number</u></b>
Cantex	Plastic	Schedule 40
	Plastic	Schedule 80

Sincerely,

NORBERTO ESTEVES  
Chairman, Technical Standards  
Committee "A" (Telecommunications)  
Telecommunications Standards Division